**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1.    (Currently Amended) A positioning method for a mobile terminal having a positioning function, wherein a positioning result is obtained by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations,

the method further comprising:

determining, based on a current condition of the mobile terminal, which data to be input to the positioning function to determine the positioning result; and

determining the positioning result using the positioning function and the data determined to be input to the positioning function; and

displaying the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

2.    (Currently Amended) A positioning method for a mobile terminal having a positioning function, wherein a positioning result is obtained by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

wherein one of the data is selected based on an application running on the mobile terminal,

the method further comprising:

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determining the positioning result using the positioning function and the data that is selected based on the application running on the mobile terminal; and

displaying the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

3.      (Currently Amended) A positioning method for a mobile terminal having a positioning function, wherein a positioning result is obtained by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

wherein one of the data is selected based on the traveling speed of the mobile terminal,

the method further comprising:

determining the positioning result using the positioning function and the data that is selected based on the traveling speed of the mobile terminal; and

displaying the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

4.      (Currently Amended) A positioning method for a mobile terminal having a positioning function, wherein a positioning result is obtained by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

wherein one of the data is selected based on the state of the mobile terminal
determined by comparing the clock speed of a fixed position with the clock speed of the
mobile terminal,

the method further comprising:

determining the positioning result using the positioning function and the data that is
selected based on the state of the mobile terminal; and

displaying the positioning result of the mobile terminal that corresponds to a current
position of the mobile terminal.

5.    (Original)    The positioning method claimed in claim 1, wherein
positioning is continued based on a decision as to whether or not to change the calculation
process when the traveling speed of the mobile terminal has changed after selecting one of the
data.

6.    (Original)    The positioning method claimed in claim 2, wherein
positioning is continued based on a decision as to whether or not to change the calculation
process when the traveling speed of the mobile terminal has changed after selecting one of the
data.

7.    (Original)    The positioning method claimed in claim 3, wherein
positioning is continued based on a decision as to whether or not to change the calculation
process when the traveling speed of the mobile terminal has changed after selecting one of the
data.

8.    (Original)    The positioning method claimed in claim 4, wherein
positioning operation is continued based on a decision as to whether or not to change the
calculation process when the traveling speed of the mobile terminal has changed after
selecting one of the data.

9.    (Original)    The positioning method claimed in claim 1, wherein
positioning is started with the initialization process.

10.     (Currently Amended) A mobile terminal with a positioning function, which obtains a positioning result by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations,

the mobile terminal further comprising:

a determining unit configured to determine, based on a current condition of the mobile terminal, which data to input to the positioning function to determine the positioning result; and

a display unit configured to display the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

11.     (Currently Amended) A mobile terminal with a positioning function, which obtains a positioning result by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

wherein one of the data is selected based on an application running on the mobile terminal,

the mobile terminal further comprising:

a determining unit configured to determine the positioning result using the positioning function and the data that is selected based on the application running on the mobile terminal; and

a display unit configured to display the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

12. (Currently Amended) A mobile terminal with a positioning function, which obtains a positioning result by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

wherein one of the data is selected based on the traveling speed of the mobile terminal,

the mobile terminal further comprising:

a determining unit configured to determine the positioning result using the positioning function and the data that is selected based on the traveling speed of the mobile terminal; and

a display unit configured to display the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

13. (Currently Amended) A mobile terminal with a positioning function, comprising a first clock, a second clock and a counter for determining the state and/ or traveling speed of the mobile terminal, which obtains a positioning result by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

wherein one of the data is selected based on the state and/ or traveling speed of the mobile terminal determined from the difference between a first clock value and a second clock value obtained by the first clock, the second clock and the counter,

the mobile terminal further comprising:

a determining unit configured to determine the positioning result using the positioning function and the data that is selected based on the state and/ or traveling speed of the mobile terminal; and

a display unit configured to display the positioning result of the mobile terminal that corresponds to a current position of the mobile terminal.

14.     (Original)     The mobile terminal claimed in claim 13, wherein the first clock value is determined based on a clock pulse that occurs at a fixed position.

15.     (Original)     The mobile terminal claimed in claim 13, wherein the first clock value is determined based on a clock pulse generated by the clock of a mobile terminal network.

16.     (Currently Amended) A positioning system ~~including the mobile terminal claimed in one of claims 10 to 15~~, comprising:

a mobile terminal with a positioning function, which obtains a positioning result by selectively using:

data obtained by a positioning calculation;

data obtained by a first calculation process for finding out a weighted average value from the results of two or more latest positioning calculations based on a plurality of positioning calculations; or

data obtained by a second calculation process for finding out a weighted average value by adding the result of the latest positioning calculation as a calculation factor to the weighted average of past positioning calculation results based on a plurality of positioning calculations;

a plurality of signal sources for providing the mobile terminal with signals used to carry out positioning calculations; and

a reference clock source for providing the mobile terminal with a clock signal used to determine the state and/ or traveling speed of the mobile terminal;

wherein the mobile terminal determine the state and/ or traveling speed of the mobile terminal using a reference clock value which has been determined based on the clock signal fed by the reference clock source, and selects one of calculation processes to obtain a positioning result based on the state and/ or traveling speed of the mobile terminal.

17. (Original) The positioning system claimed in claim 16, wherein the plurality of signal sources are GPS satellites.

18. (Original) The positioning system claimed in claim 16, wherein the signals for carrying out positioning calculations are signals transmitted and received by the mobile terminal in a mobile terminal network.

19. (Original) The positioning system claimed in claim 16, wherein:
the plurality of signal sources are GPS satellites; and
the reference clock source generates clock signals in a fixed position.

20. (Original) The positioning system claimed in claim 16, wherein:
the signals for carrying out positioning calculations are signals transmitted and received by the mobile terminal in a mobile terminal network; and
the reference clock source generates clock signals in a fixed position.